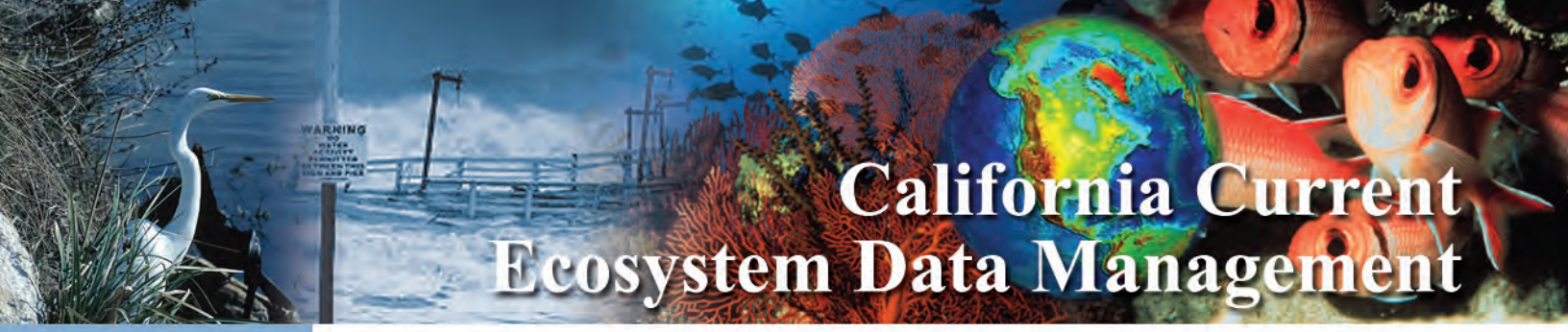


California Current Ecosystem Data Management

National Coastal Data Development Center
www.ncddc.noaa.gov

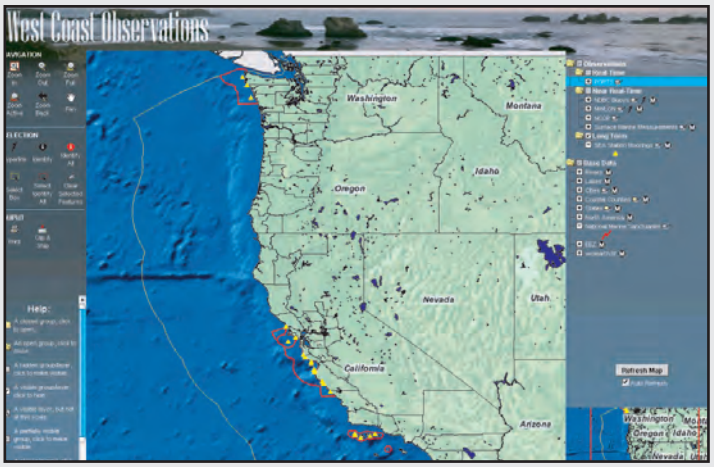
NCDDC is participating in a data management initiative that seeks to demonstrate the linkage between ecosystem data and a preliminary Integrated Ecosystem Assessment for the California Current Ecosystem. The California Current Ecosystem Data Management project (CCEDM) technical partners are collaborating in a joint project to:

1) Develop an integrated web-based virtual Data Assembly Center (vDAC) which will provide data management and integration capabilities;
2) Provide access to NOAA's IOOS-identified five core data variables for the CCE in accordance with IOOS/DMAC and GEO-IDE standards.

To meet the first goal, NCDDC is developing systems infrastructure components, resulting in an operationally secure data transport and access system for distributed data in disparate formats.

To meet the second goal, the project will integrate additional data sources into the operational West Coast Observing System (WCOS). This automated, operational end-to-end data management system makes data collected as part of the National Marine Sanctuaries (NMS) System Wide Monitoring (SWIM) Program accessible to constituents in accordance with the IOOS DMAC and GEO-IDE standards. Original Sanctuary sites included the Monterey Bay and Channel Islands National Marine Sanctuaries, and focused on transporting ocean temperature and currents data from source collections to archive while providing multiple points for access and analysis tools.

As a natural follow on to the WCOS project, additional data from the Olympic Coast, Cordell Banks, and Gulf of the Farallones Sanctuaries is being integrated into the process flow. New data sources will include additional Sanctuary Ecosystem Assessment (SEA) Stations, the Sanctuaries buoy at Cordell Banks, underway data from the NOAA Research Vessels Fulmar and Shearwater, and observations from the Beach COMBERS program, a volunteer effort to monitor the health indicators within the marine environment of Monterey Bay. Additional data types will include oxygen, salinity, wind speed and direction, turbidity, and fluorescence collected at numerous new instrument moorings located within each of the five Sanctuaries.



This Internet map application provides a geospatially referenced view of coastal and ocean observations in and around the West Coast National Marine Sanctuaries. In addition to the WCOS project SEA Station Mooring locations, observational data are grouped into real-time (NOS PORTS) and near real-time (NDBC Buoys and surface marine measurements from coastal ocean observing systems accessed through the Meteorological Assimilation Data Ingest System (MADIS)) observations.

Project Partners Include:

- Pacific Coastal Ocean Observing System (PaCOOS)
- Southwest Fisheries Science Center
- Northwest Fisheries Science Center
- National Marine Sanctuary Program
- National Ocean Data Center
- Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO)
- Bodega Marine Laboratory

For more information:

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- Please visit our web site: **http://www.mbnms-simon.org/sections/obs/nmsp_wco.php**

Revised 10/31/07